Doc Code:

PTO/SB/82 (01-06)
Approved for use through 12/31/2008. OMB 0651-0035
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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#### REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND

a to a conjuntation of information	
Application Number	09/164,568
Filing Date	October 1, 1998
First Named Inventor	Randolph J. Noelle
Art Unit	1644
Examiner Name	Phillip Gambel
Attorney Docket Number	012712-572 (DC0392US.C4)

CHANGE OF CORRESPONDENCE ADDRESS I hereby revoke all previous powers of attorney given in the above-identified application: A Power of Attorney is submitted herewith. OR ✓ I hereby appoint the practitioners associated with the Customer Number: 26259  $\overline{oldsymbol{ee}}$  Please change the correspondence address for the above-identified application to: The address associated with 26259 **Customer Number:** OR Firm *or* Individual Name Address ZIP State City Country Email Telephone I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71 Statement under 37CFR 3.73(b) is enclosed. (Form PTO/SB/96) SIGNATURE of Applicant or Assignee of Record Signature Alla Kan, Director, Technology Transfer Office, Dartmouth College Name 603-646-3027 Telephone Date NOTE: Signatures of all the invertors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*. ▼ \*Total of forms are submitted.

This collection of Information is required by 37 CFR 1.36. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	STATEMEN	T UNDER 37 CFR 3.73(I	<u>o)</u>
Applica	ant/Patent Owner: <u>Noelle et al/ Trustees of Dart</u>	nouth College & University of	Massachusetts Medical Ctr
Applica	ation No./Patent No.: <u>09/164,568</u>	Filed/Issue Da	te: October 1, 1998
Titled:	METHODS FOR INDUCING ANTIGEN-SP	ECIFIC T CELL TOLERANC	E
(Name of A	Trustees of Dartmouth College , a ssignee) that it is:	body corporate/politic of the (Type of Assignee, e.g., corporation, partnership	
1.	the assignee of the entire right, title, and interest i	<b>n</b> ;	
2.	an assignee of less than the entire right, title and i (The extent (by percentage) of its ownership intere	est is%); or	
3, 🔲	the assignee of an undivided interest in the entire		n one of the joint inventors was made)
A.	ent application/patent identified above by virtue of e An assignment from the inventor(s) of the patent applica States Patent and Trademark Office at Reel	ation/patent identified above. The ass	ignment was recorded in the United r for which a copy therefore is attatched.
OR			
в. 🔽	A chain of title from the inventor(s), of the patent applica	ation/patent identified above, to the cu	urrent assignee as follows:
1.	From: Randolph J. Noelle The document was recorded in the United States Patent a Reel 007117 , Frame 0046 , or	and Trademark Office at	outh College
2.	From: Fions H. Durle The document was recorded in the United States Patent Reel 007112 , Frame 0383 , or	and Trademark Office at	onth College
3.	From: Teresa M. Foy The document was recorded in the United States Patent a Reel 007150 , Frame 0874 , or	and Trademark Office at	outh College
$\square$	Additional documents in the chain of title are listed on		
As cor	required by 37 CFR 3.73(b)(1)(i), the documentary eviden currently is being, submitted for recordation pursuant to 3	ce of the chain of title from the origina 7 CFR 3.11.	al owner to the assignee was, or
[NC acc	TE: A separate copy ( <i>i.e.</i> , a true copy of the original assigndance with 37 CFR Part 3, to record the assignment in t	nment document(s)) must be submitt he records of the USPTO. <u>See</u> MPE	ed to Assignment Division in P 302,08]
The und	ersigned (whose title is supplied below) is authorized to a	ct on behalf of the assignee.	12/9/09
	Signature		/ 'D'ate '
	. Alla Kan		603-646-3027
	Printed or Typed Name		Telephone number

This collection of information is required by 37 CFR 3,73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1,11 and 1,14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. The will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Application No.: 09/164,568 Filing Date: October 1, 1998

Additional chain of title from the inventors to the current assignee as follows:

4. From: David C. Parker To: Massachusetts Medical Center, University of

The document was recorded in the United States Patent and Trademark Office at

Reel: 009352, Frame: 0306, or for which a copy thereof is attached.



# UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

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DATE: 09/22/94 TO:

AMY E. MANDRAGOURAS LAHIVE & COCKFIELD 60 STATE STREET BOSTON, MA 02109

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ASSIGNOR:

NOELLE, RANDOLPH J.

DOC DATE: 08/18/94

RECORDATION DATE: 08/26/94 NUMBER OF PAGES 003 REEL/FRAME 7117/0046

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

TRUSTEES OF DARTMOUTH COLLEGE HANOVER, NH 03755

SERIAL NUMBER PATENT NUMBER

8-232929

FILING DATE 04/25/94

ISSUE DATE 00/00/00

EXAMINER/PARALEGAL ASSIGNMENT BRANCH

ASSIGNMENT/CERTIFICATION SERVICES DIVISION

RECEIVED AHIVE R COCKEIFLD OCT 1 4 1994

FORM PTO-1595 RECORDATION	FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE
OMB No. 0851-0011 (exp. 4/94)	NTS ONLY
Tab settings ⇔⇔∀ ∇ ∇	▼ V Attorney Docket No. DCL078CRV
To the Honorable Commissioner (Patents and Tademarks	s: Please record the attached original documents or copy thereof.
1.) Name of conveying party(les):	(2) Name and address of receiving party(ies)
Randolph J. Noelle 52 204 5	
<b>V</b> <sub>2</sub> , <b>V</b> <sub>3</sub>	Name: Trustees of Dartmouth College
Additional name(s) of conveying party(les) attached? □ Yes ☑ No	Internal Address:
3) Nature of conveyance	-
G⊠ Assignment ☐ Merger	Street Address
☐ Security Agreement ☐ Change of Name	
□ Other	City Hanavar
	City: Hanover. State: NH
Execution Date: August 18, 1994	Additional name(s) & address(es) attached? ☐ Yes ☒ No ☐
(4.) Application number(s) or patent number(s):	
The second of th	A Company of the Comp
If this document is being filed together with a new application,	the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
08/232,929	B. Patent No.(s)
Additional numbers att	lached? ☐ Yes ☒ No ☒ ☒
(5.) Name and address of party to whom correspondence	6 Total number of applications and patents involved: 1
concerning document should be mailed:  Name: Amy E. Mandragouras	5 7
	(7) Total fee (37 CFR 3.41)\$40.00°
Internal Address: LAHIVE & COCKFIELD	⊠ Enclosed
	☐ Authorized to be charged to deposit account
	- A signification to be sharged to deposit account
Street Address: 60 State Street	(8.) Deposit account number:
	<u>12-0080</u> 91854847
City: Boston State: MA ZIP: 02109	
City: Boston State: MA ZIP: 02109	(Attach duplicate copy of this page if paying by deposit account)
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Statement and signature.  To the best of my knowledge and belief, the foregoing informat the original document.  The original document.	tion is true and correct and any attack at
the original document.	on is true and correct and any attached copy is a true copy of
Amy E. Mandragouras	my 110 mely
Name of Person Signing	Signature August 24, 1994 Date
Total number of pages including cover	sheet, attachments, and document: 3 Kg

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments

Washington, D.C. 20231

#### ASSIGNMENT

We, Randolph J. Noelle of Cornish, New Hampshire, Teresa M. Foy of Lebanon, New Hampshire, and Fiona H. Durie of Lebanon, New Hampshire, in consideration of One Dollar and other valuable consideration paid to us by

#### **Trustees of Dartmouth College**

a corporation of New Hampshire, having its principal place of business at Hanover, New Hampshire 03755, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

#### **Trustees of Dartmouth College**

its successors and assigns, the entire interest for the United States of America and all foreign

countries including all righ Industrial Property in a certa	- •		on for the Protection of	Ĩ	
METHODS FOR	INDUCING ANTIGE	N-SPECIFIC T CELL	<b>FOLERANCE</b>		
described in an application					
executed by us	of even date herewith a	nd about to be filed	·		
_X_Serial No. 08/23	32,929, filed on April 2	5, 1994			
in the United States Patent a all foreign countries which rapplication, or any division thereon. And we agree, for and its successors and assi applications, amended specific to secure the grant of Letters with specifications and claim and to vest and confirm in patents.	may or shall be granted al, continuing, reissue rourselves and our exeigns but at its or their fications, deed or other Patent in the United Stars in such form as shall	on said invention, or any or other applications basecutors and administrator expense and charges, instrument, and to do all tates and in all other countly be approved by the countly of the country of t	parts thereof, or on said sed in whole or in part s, with said corporation hereafter to execute all acts necessary or proper tries to said corporation, unsel of said corporation	7	ָ יִנְיַבְרַ
And we do hereby at United States to issue such based thereon to said corpora	Letters Patent as shall			00	That
WITNESS my hand a	and seal this	By: Randolphy		47	
State of	) )ss .				
County of	)				
Then personally appeared the instrument to be his/her free a					

Notary Public

My commission expires: UDERWOOD J. LENZ, Notary Public

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WITNESS:	my hand and seal this <u>(</u>	8 day of	lug., 1994.	
		By	Teresa M. Foy	
State of	)		`	
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			oy and acknowledged the foregoing day of, 1994.	ng
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			y commission expires.	HEEL HEEL
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·	Rt 005	RDED MARK OFFICE	Fiona H. Durie	CD _ 1 #
State of	AUG 26	5 94		
County of	)ss )			
Then personally ap	ppeared the above name her free act and deed, be	ed Fiona H. Dur fore me, this	rie and acknowledged the foregoin, 1994.	ıg
<b></b>	·			
		No	tary Public	
		. My	commission expires:	

**Ł**,



#### UNITED STA. 25 DEPARTMENT OF COMMERCE Patent and Trademark Office

**ASSISTANT SECRETARY AND COMMISSIONER** OF PATENTS AND TRADEMARKS Washington, D.C. 20231

DATE: 10/03/94 TO:

LAHIVE & COCKFIELD AMY E. MANDRAGOURAS 60 STATE STREET BOSTON, MA 02109

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ASSIGNOR:

DURIE, FIONA H.

DOC DATE: 08/25/94

RECORDATION DATE: 09/09/94 NUMBER OF PAGES 003 REEL/FRAME 7112/0383

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

TRUSTEES OF DARTMOUTH COLLEGE HANOVER, NH 03755

SERIAL NUMBER PATENT NUMBER

8-232929

FILING DATE //04/25/94 00/00/00

ISSUE DATE

EXAMINER/PARALEGAL ASSIGNMENT BRANCH

ASSIGNMENT/CERTIFICATION SERVICES DIVISION

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OMB No. 0851-0011 (224/94) 9	ORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
Tab settings →	V . V Attorney Docket No. DCI 0790DV
To the Hono Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Fiona H. Durie	Name: <u>Trustees of Dartmouth College</u>
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Internal Address:
3. Nature of conveyance	
_ ⊠ Assignment ☐ Merger	Street Address
☐ Security Agreement ☐ Change of Name	Paris 6
Other	City: Hanover. State: NH
Execution Date: August 25, 1994	Additional name(s) & address(es)
Application number(s) or patent number(s):	SSF
If this document is being filed together with a new application, th	ne execution date of the application is:
A. Patent Application No.(s) 08/232,929	B. Patent No.(s)  BRANCE
Additional numbers attact	
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6/ Total number of applications and patents involved: 1
Name: Amy E. Mandragouras	7. Total fee (37 CFR 3.41)\$40.00
Internal Address: LAHIVE & COCKFIELD	⊠ Enclosed
	Authorized to be charged to deposit account
Street Address: 60 State Street	. Deposit account number:
	12-0080
City: Boston State: MA ZIP: 02109	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE TH	IIS SPACE
Statement and signature.  To the best of my knowledge and belief, the foregoing information the original document.	$\mathcal{L}$
Amy E. Mandragouras  Name of Person Signing	September 7, 1994
Total number of pages including cover she	Signature

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments

Washington, D.C. 20231

9:1-856999

### **ASSIGNMENT**

We, Randolph J. Noelle of Cornish, New Hampshire, Teresa M. Foy of Lebanon, New Hampshire, and Fiona H. Durie of Lebanon, New Hampshire, in consideration of One Dollar and other valuable consideration paid to us by

#### **Trustees of Dartmouth College**

a corporation of New Hampshire, having its principal place of business at Hanover, New Hampshire 03755, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

#### Trustees of Dartmouth College

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

# METHODS FOR INDUCING ANTIGEN-SPECIFIC T CELL TOLERANCE described in an application

executed by us of even date herewith and about to be filed

X Serial No. 08/232,929, filed on April 25, 1994

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and so		assigns. lay of	. 1994.
·		ay or	, 1994.
		Ву:	·
¥.		Rar	ndolph J. Noelle
State of )		•	
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Then personally appeared the about the national representation of the contract	ove named Randol d deed, before me,	ph J. Noelle and thisday of	acknowledged the foregoing

Notary Public	
My commission expires:	

REL 7 | 12 HAME 384

WITNESS my hand	l and seal this	day of	, 1994.
		<b>,</b> - <b></b>	Teresa M. Foy
State of	)		,
County of	)ss )		
Then personally appeared instrument to be his/her free	the above named act and deed, before	Teresa M. Foy a	and acknowledged the foregoing y of, 1994.
		Notary	Public
	. *	My con	nmission expires:
WITNESS my hand a	nd seal this 25	day of a	1994.
		By:	Fiona H. Durie
State of	)		·
State of WASH.  County of KING.	)ss )		
Then personally appeared the instrument to be his/her free ac	e above named Fort and deed, before r	iona H. Durie and ne, this 25 day o	d acknowledged the foregoing of August, 1994.
		Notary Pu	De n. J. De Iblic Leale: m. Vopa
		•	nission expires: 1/15/97



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

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ASSIGNOR:

DOC DATE: 09/06/94

FOY, TERESA M.

RECORDATION DATE: 09/30/94 NU

NUMBER OF PAGES 003

REEL/FRAME 7150/0874

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

TRUSTEES OF DARTMOUTH COLLEGE HANOVER, NH 03755

SERIAL NUMBER

8-232929

FILING DATE 04/25/94 ISSUE DATE 00/00/00

PATENT NUMBER

EXAMINER/PARALEGAL

ASSIGNMENT BRANCH

ASSIGNMENT/CERTIFICATION SERVICES DIVISION

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FORM PTO- 500 (Rev. 6-93) OMB No. 085(40)11 (etc. 7-94)		ORM COVER SHELI	U.S. DEPARTMENT OF COMMERCE
Tab settens = 1994		ITS ONLY	Patent and Trademark Office
	∇ ∇	∇ ∇	Attorney Docket No. DCI-078CP∇
(1.) Name of conveying party(ies):	or atems and Trademarks;	Please record the attached origina	
Teresa M. Foy		2) Name and address of	
Teresa IVI. Foy		Name: <u>Trustees</u>	of Dartmouth College
Additional name(s) of conveying party(ies) at	ttached? □ Yes ⊠ No	Internal Address:	
3) Nature of conveyance			, Na Maria
⊠ Assignment	☐ Merger	·	
_	-	Street Address	
☐ Security Agreement	☐ Change of Name		Copper to
Other		City: <u>Hanover</u>	A SHIP ON H
Execution Date: September 6, 1994		ZIP: <u>03755</u> Additional name(s) & address(es	
42 Application number(a) as a start		The state of the s	5
Application number(s) or patent n			
If this document is being filed togethe	r with a new application, t	he execution date of the applica	ation 1820 X
A. Patent Application No.(s)	ı	B. Patent No.(s)	3
08/232,929			
A	l Additional numbers attac	ched? ☐ Yes ⊠ No	
6) Name and address of party to who concerning document should be m	m correspondence	$\sim$	ons and patents involved: 1
Name: Amy E. Mandragoura	T-	7) Total fee (37 CFR 3.41)	2-10/24/20
Internal Address: LAHIVE & CO	F		3394.00
· LAINVE & CC	DORFIELD	☑ Enclosed	
	<del></del>	Authorized to be charg	ed to deposit account
Strest Address: 60 State Street	et	8. Deposit account number:	·
City D		12-0080	
City: Boston State: MA	ZIP: <u>02109</u>	(Attach duplicate copy of this pa	ge if paying by deposit account)
) State	DO NOT USE T	HIS SPACE	· · · · · · · · · · · · · · · · · · ·
Statement and signature.  To the best of my knowledge and believed.	f the foregoing information		
To the best of my knowledge and belief the original document.	, the relegang injunitation	is true and correct and any att	ached copy is a true copy of
Arny E. Mandragouras		we like	Off South
Name of Person Signing Total numbe	of pages including cover ab	Signature eet, altachments, and document: 3	September 28, 1994 Date
Mail da	- ar- monding cover sit	out, appenments, and document: 3	1 4/5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments

Washington, D.C. 20231

050 MH 10/12/94 08232929

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91860400

We, Randolph J. Noelle of Cornish, New Hampshire, Teresa M. Foy of Lebanon, New Hampshire, and Fiona H. Durie of Lebanon, New Hampshire, in consideration of One Dollar and other valuable consideration paid to us by

#### Trustees of Dartmouth College

a corporation of New Hampshire, having its principal place of business at Hanover, New Hampshire 03 755, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

#### **Trustees of Dartmouth College**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

## METHODS FOR INDUCING ANTIGEN-SPECIFIC T CELL TOLERANCE

described in an application

executed by us of even date herewith and about to be filed

\_X Serial No. 08/232,929, filed on April 25, 1994

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 674 day of \_\_\_\_

State of New Hampshue)

County of Gracion

)

Then personally appeared the above named Randolph J. Noelle and acknowledged the foregoing instrument to be his/her free act and deed, before me, this Gn day of September, 1994.

PHYLLIS A. GARDNER

My commission expires: NOTARY PUBLIC

YY COMMISSION EXPIRES MARCH 27, 198%

WITNESS my hand	and seal this	day of _	Dest.	, 1994.	
•			By: <u>Jeres</u> Teresa I	M. Fov	
•		٠.			
State of Now Hampshire County of Gracion	) )ss )				
Then personally appeared instrument to be his/her free	the above named T act and deed, before r	eresa M. ne, this <u>6</u>	Foy and acker	eowledged the	foregoing 1994.
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		V	My commission	expires:	
•				IYLLIS A. GAF NOTARY PUB MMISSION EXPIRES MAI	T.T.C
WITNESS my hand a	and seal this	_day of			
WITNESS my hand a	and seal this	•		, 1994.	
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